

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



PCT

(43) International Publication Date
12 January 2006 (12.01.2006)

(10) International Publication Number
WO 2006/004250 A1

(51) International Patent Classification: G11B 7/007

(74) Agent: Y.P.LEE, MOCK & PARTNERS; The Cheonghwa Building, 1571-18, Seocho-dong, Seocho-gu, Seoul 137-874 (KR).

(21) International Application Number:

PCT/KR2005/000739

(22) International Filing Date: 15 March 2005 (15.03.2005)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10-2004-0017255 15 March 2004 (15.03.2004) KR

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

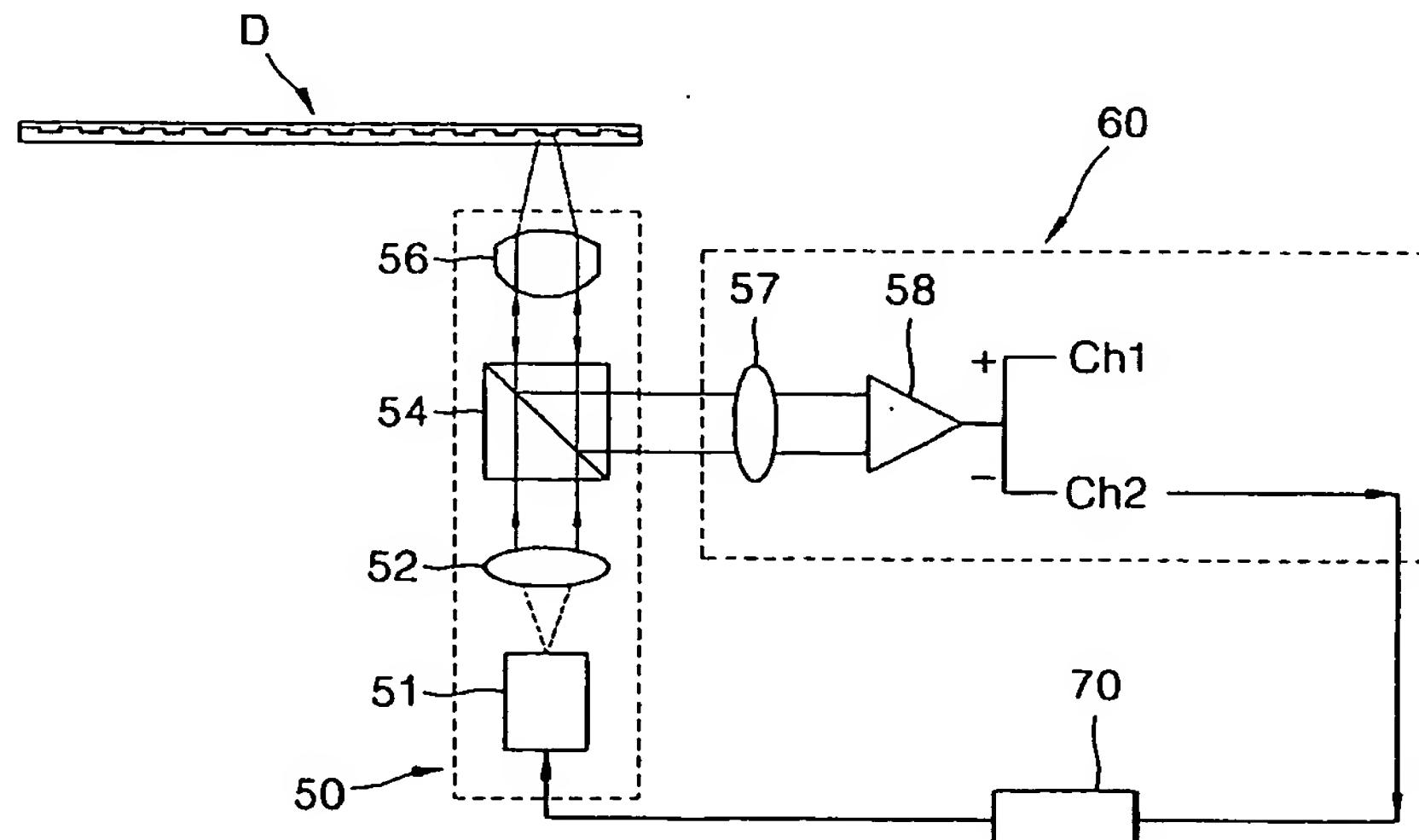
(71) Applicant (for all designated States except US): SAMSUNG ELECTRONIC CO., LTD. [KR/KR]; 416, Mae- tan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 442-742 (KR).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INFORMATION STORAGE MEDIUM HAVING DIFFERENT READ POWER INFORMATION



(57) Abstract: A hybrid information storage medium comprises a lead-in area storing basic information regarding the information storage medium, a lead-out area indicating an end of the information storage medium, a plurality of types of data areas requiring different optimal read powers, and different optimal read power information for the plurality of types of data areas. Accordingly, since optimal read power information for each area is provided to an optical disc drive when the optical disc drive reproduces data from a hybrid super-resolution optical disk including a plurality of types of data areas requiring different optimal read powers, optimal reproduction characteristics can always be obtained

reliably.

WO 2006/004250 A1